

6061

.500

BLUE

Work Order ID 131695

131695

Page 1

Item ID: D2651-1

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Plug

Start Date: 4/20/15

Start Qty: 50.00

50

Cust Item ID:

Required Date: 4/20/15

Req'd Qty: 50.00

50

Customer:

Reference:

Approvals:

Process Plan: CL

Date:

Tooling:

Date:

Run Start *NR1*

QC:

Date:

APR 23 2015

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2651	Rev B								

100

100

Hardinge

Hardinge CNC Lathe Small

Hardinge CNC LATHE SMALL

Memo

1- Turn as per Folio FA219 and Dwg D26512- Deburr

0.00

0.00

DAS

37

9.89

15.04.29

50.00

110

110

QC

Quality Control

QC2- Inspect parts off machine FAI/FAIB

Memo

0.00

0.00

DAS

37

9.89

15.04.29

50.00

120

120

QC

Quality Control

QC8- Inspect parts - second check

Memo

0.00

0.00

15/04/30

50.00

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:12.5%;">Skid-tube ☐</td> <td style="width:12.5%;">Cross tube ☐</td> <td style="width:12.5%;">Water Jet ☐</td> <td style="width:12.5%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Misidentified ☐	Past Due ☐																								

Work Order ID 131695

Tuesday, April 21, 2015 1:46:32 PM

131695

Page 2

Item ID: D2651-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Plug
 Start Date: 4/20/15 Start Qty: 50.00 ***50*** Cust Item ID:
 Required Date: 4/20/15 Req'd Qty: 50.00 ***50*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140	Chemical Conversion Coat per QSI005 4.1	0.00							
140									
HandFinish	Memo	0.00				50	X		DC 15/05/03
Hand Finishing									
150	White Gloss (Ref: 4.3.5.1) per QSI005 4.3-Alum	0.00							
150									
Powdercoat	Memo	0.00				50			DAS 41 9-89 15-5-4
Powder Coating	(Only larger section necessary) START TIME: _____								
	OVEN TEMPERATURE: _____ FINISH TIME: _____								
160	QC3- Inspect Part Finish	0.00							
160									
QC	Memo	0.00				50			DAS 28 9-89 MAY 06 2015
Quality Control									

Handwritten notes:
 150 ***150*** *Handwritten: 150 30' Del Fleet blue*
 Spray Part as per Dwg
 Powder Coating
 SPRAY Part

Handwritten notes:
 Tempo prime 131846
 Del Fleet Blue 128955
 Del Fleet Clear 129276

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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131695

Page 3

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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
170	Identify as per dwg & Stock Location: <u>FP-001</u>	0.00							
170									
Packaging	Memo	0.00							
Packaging	LOCATION : FP001								
180	QC21- Final Inspection - Work Order Release	0.00							
180									
QC	Memo	0.00							
Quality Control									

15/05/00

MCS MAY 06 2015

MCS MAY 06 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Equip/Tooling ☐	Supplier ☐	Cracks ☐																																																																					
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐																																																																					
Material ☐	Use for Testing ☐	Cuffs ☐																																																																					
Internal Transport ☐	Poor Information ☐	Crushing ☐																																																																					
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐																																																																					
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐																																																																					
Substation ☐	Process Improvement ☐	Marks/Chatter ☐																																																																					
Past Expiry Date ☐	Manufacturing Process ☐																																																																						
Misidentified ☐	Past Due ☐																																																																						
Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																																																																					
Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																																																																					
BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																																																																					
Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																																																																					
Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																																																																					
Contamination ☐	Out of Sequence ☐	Part Moved ☐																																																																					
Countersink ☐	Off-set ☐	Drawing ☐																																																																					
Cut Too Short ☐	Mislabeled ☐	Finish ☐																																																																					
Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																																																																					
Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																																																																					
OTHER : _____																																																																							

Picklist Print

Tuesday, April 21, 2015 1:46:32 PM

Page 1

Work Order ID: 131695

131695

Parent Item: D2651-1

D2651-1

Parent Item Name: Plug

Start Date: 4/20/15

Required Date: 4/20/15

Start Qty: 50.00

Required Qty: 50.00

Comments: IPP: A02.04.15New Issue NG
IPP: B05.12.12added deburr EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6R0.500		Purchased				100	f	23.6160	0.0401	3			DAS 37 9-89
M6061T6R0 500										**			
6061-T6 Round Bar .500"													

Location

Loc Qty

Loc Code

MAT012

23.616

M128247

1.216

M129845

12.66

M130043

0.645

M131352

9

M131392

0.095

2.08 lb

15.04.29

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

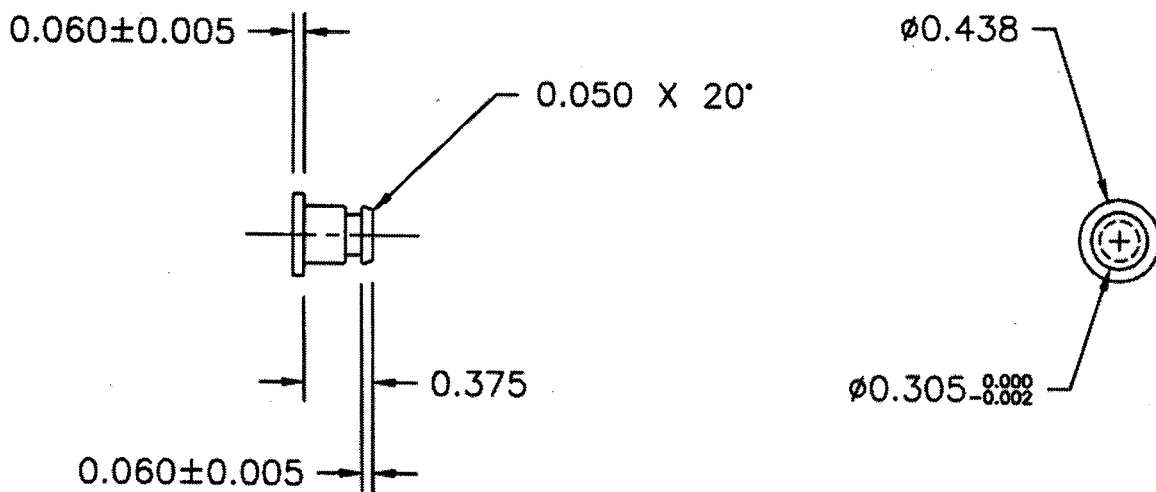
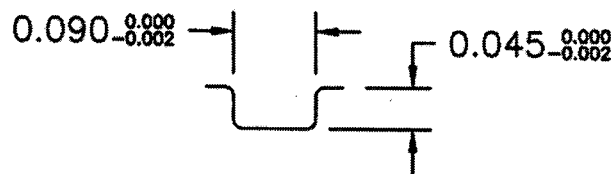
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause				FAULT CATEGORY					
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

DART

DESIGN #	DRAWN BY #	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D2651	REV. B SHEET 1 OF 1
DATE 03.12.19		TITLE PLUG	SCALE 1:1
A	97.03.25	NEW ISSUE	
B	03.12.19	ADD POWDER COAT, MS28775-008	

RELEASED

03.12.19

D2651-1 PLUG:**GROOVE DETAIL (SCALE 5:1)**

C215/04/23

W10.131695

D2651-1 PLUG

- 1) MATERIAL: 6061-T6 (QQ-A-225/8) OR 1100-0 (QQ-A-225/1)
- 2) FINISH: ACID ETCH & ALODINE PER DART QSI 005 4.1
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.010 MAX

D2651-3 O-RING

- 1) MATERIAL: BUNA N, 70 DUROMETER
3/16 ID, 5/16 OD, 1/16 WIDTH
(PARKER 2-008, MS28775-008 OR EQUIVALENT)

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